

THE EMBODIMENTS OF THE INVENTION IN WHICH AN EXCLUSIVE PROPERTY OR  
PRIVILEGE IS CLAIMED ARE AS FOLLOWS:

1. A process for preparing torsemide or salts thereof comprising:
  - a) reacting **II** with isopropyl isocyanate in the presence of an alkali carbonate or bicarbonate and an organic solvent to form an alkali torsemide mixture,
  - b) recovering the alkali torsemide mixture, and
  - c) if desired, recovering the torsemide by acidification of the alkali torsemide mixture.
2. The process of claim 1 wherein said process is carried out in the absence of triethylamine.
3. A process for preparing **II** comprising reacting **I** with m-toluidine in an organic solvent to form **II**, wherein said process is carried out in the absence of at least one of the following:
  - i) a copper catalyst; and/or
  - ii) triethylamine.
4. The process of claim 3 wherein the organic solvent is a C1 to C6 alcohol.
5. The process of claim 3 or 4 wherein the organic solvent is n-butanol.

6. The process of claim 1 or 2 wherein the alkali carbonate is sodium carbonate, potassium carbonate, or lithium carbonate.
7. The process of claim 1 or 2 wherein the alkali bicarbonate is sodium bicarbonate, potassium bicarbonate, or lithium bicarbonate.
8. The process of claim 1 or 2 wherein the organic solvent selected from the group consisting of acetone, ethyl acetate, acetonitrile, methyl isobutyl ketone and mixtures thereof.
9. The process of claim 1 or 2 wherein the alkali torsemide mixture is converted to torsemide by dissolving in water followed by acidification.
10. The process of claim 1 or 2 wherein the acid used for acidification is a water soluble acid.
11. The process of claim 1 or 2 wherein the acid used for acidification is acetic acid.
12. The process of claim 1 or 2 wherein the purity of the torsemide is at least about 99.5%.
13. The process of claim 1 or 2 wherein the purity of torsemide is at least 98%.
14. The process of claims 1 or 2 wherein the known polymorphs of torsemide are produced.